



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090936-E

Mode: Highway

Status: Submitted

I-74, US-74

From/Cross Street: SR 1506 (Boardman Road)

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$7,130,000

Description:

Upgrade At-grade Intersection to Interchange.

Division(s): Division 6

County(s): COLUMBUS

MPOS(s)/RPO(s): Cape Fear RPO

Project Location



Statewide Mobility Total Score: 14.96

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 18.46 Safety (10%) 33.30 Economic Competitiveness (10%) 3.64 Multimodal + [Freight & Military] (20%) 19.30 [Travel Time] Benefit/Cost (30%) 6.22 Totals: Weight: 100% Weighted Score: 14.96	N/A	N/A

Regional Impact Total Score: 32.35

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 18.46 Safety (10%) 33.30 [Travel Time] Benefit/Cost (25%) 6.22 Accessibility / Connectivity (10%) 78.49 Totals: Weight: 70% Weighted Score: 17.35	Percent: 15% Points: 0	Percent: 15% Points: 100

Division Needs Total Score: 8.27

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 18.46 Safety (10%) 33.30 [Travel Time] Benefit/Cost (20%) 6.22 Totals: Weight: 50% Weighted Score: 8.27	Percent: 25% Points: 0	Percent: 25% Points: 0

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	17497.65
Capacity:	91565.52
Volume/Capacity Ratio:	0.19
% Autos:	83%
% Trucks:	17%
Truck Volume:	2904.92
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	33.3
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	33
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	85
Actual Congested Speed:	31.26
Travel Time Index:	1.12

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial- Other Freeway
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1884000
Travel Time Savings for 30 Years (Autos):	1571222.75
Travel Time Savings for 30 Years (Trucks):	312777.25
Long-Term Employment:	30.99
% Change in Economy:	4.18E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cape Fear RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$5,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,380,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$7,130,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$7,130,000	